## HARDWARE REVISION



<u>CPU Components</u>		<u>Cloud Storage</u>	
Component Arithmetic Logic Unit	<u>Function</u> Carries out all the arithmetic (+- * /) and logic (AND, OR NOT, >, < <=, >=) operations.	AdvantagesDisadvantagesFree / CheapSecurityBack upsReliant on serverMore space onNeed internet accessdevice	Disadvantages Security Reliant on server
(ALU) Control Unit	Controls and manages the fetch and executing.		
Buses	Address Bus carries the address of the next instruction.	Embedded Systems	
Connections between components	Data Bus carries the data of the address around the CPU.	A computer system with a microprocessor, which usually performs specific tasks.   Examples Difference to   Microwaves Computers   ATM points Uses a microprocessor.   Traffic lights Contains just memory (no storage).	
	Control bus carries out control signals throughout the CPU.		Difference to
Registers	Small, fast memory locations in the CPU.		<u>Computers</u> Uses a microprocessor.
Clock	Device which vibrates continually and controls the speed the data is passed through the buses around the CPU.		Contains just memory (no storage).
-	Component Arithmetic Logic Unit (ALU) Control Unit Buses Connections between components Registers Clock	CPU ComponentsComponentFunctionArithmetic Logic Unit (ALU)Carries out all the arithmetic (+- * /) and logic (AND, OR NOT, >, < <=, >=) operations.Control UnitControls and manages the fetch and executing.Buses Data Bus carries the address of the next instruction.Connections between componentsRegistersSmall, fast memory locations in the CPU.ClockDevice which vibrates continually and controls the speed the data is passed through the buses around the CPU.	CPU ComponentsCiComponentFunctionAdvantagesArithmetic Logic Unit (ALU)Carries out all the arithmetic (+- * /) and logic (AND, OR NOT, >, < <=, >=) operations.AdvantagesControl Unit Control UnitControls and manages the fetch and executing.Free / Cheap Back ups More space on deviceBuses Connections between componentsAddress Bus carries the address of the next instruction.Emb A computer sys which usuallRegistersSmall, fast memory locations in the CPU.ExamplesClockDevice which vibrates continually and controls the speed the data is passed through the buses around the CPU.Microwaves ATM points Traffic lights Vending machines